



RECEIVED  
AUG 20 2001  
FEB 1600/29

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MICHEAL L. GRUENBERG

Serial No.: 08/700,565

Filed: July 25, 1996

For: AUTOLOGOUS IMMUNE CELL  
THERAPY: CELL COMPOSITIONS,  
METHODS AND APPLICATIONS TO  
TREATMENT OF HUMAN DISEASE

I hereby certify that this paper and the attached  
papers are being deposited with the United  
States Postal Service as First Class mail in an  
envelope addressed to:  
Commissioner for Patents  
Washington, D.C. 20231, on this date.

08/13/01  
Date

Stephanie Seidman

Art Unit: 1644

Examiner: Schwadron, R

AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Responsive to the Office Action, mailed February 13, 2001, please amend  
the application as follows:

IN THE CLAIMS:

Please cancel, claims 1, 4, 6, 8-13, 15, 26, 27, 30, 34, 35, 159-161,  
163, 169, 173-210, 214 and 215 without prejudice or disclaimer.

Please replace claims 22-25, 28, 155, 157, 158 and 211 with amended  
claims 22-25, 28, 155, 157, 158 and 211 as follows:

22. (Thrice Amended) A method for generating clinically relevant cell  
numbers of Th1 cells, comprising:

- (a) collecting material containing mononuclear T lymphoid cells from a  
mammal;
- (b) activating the T lymphoid cells to alter their cytokine production  
profile by causing differentiation of the cells into Th1 cells; and
- (c) in the absence of Il-2, inducing cell proliferation and expanding the  
cells under conditions that produce at least about  $10^{10}$  cells/liter of  
a homogeneous population of Th1 cells, wherein a homogeneous  
population of Th1 cells comprises greater than about 50% Th1 c lls.